

61-14422

Tönnér, Friedrich.
THE SPHERICAL ABERRATION AS THE LIMITING
FACTOR IN THE ACUITY OF IMAGE FORMATION
(Die Sphärische Aberration als Begrenzender Faktor
der Abbildungsscharfe). Communication 3 on Analysis
of the Resolving Power of the Eye (Analyse des
Auflösungsvermögens des Sehapparates. 3. Mittei-
lung). [1961] [13]p. 19 refs.
Order from SI A in \$2.40, pb \$3.30 61-14422

Trans. of Hagers Archiv für die Gesamte Physi-
ologie des Menschen und der Tiere (Germany) 104,
v. 247, p. 160-167.

- I. Visual acuity--
Measurement
2. Eye--Test methods
- I. Tönnér, F.
- II. Title: Analysis...
- III. Title: Analyse...

1. 9035

Office of Technical Services

Tommer, Friedrich.
 THE SIZE OF THE SENSORY AREA OF A POINT
 OF LIGHT AND OF THE CONE PATTERNS (Die
 Größe der Empfindungsfläche von Lichtpunkten und
 der Zapfentaster). Communicat. on Analysis of the
 Resolving Power of the [Eye] (Analyse des Auflösungs-
 vermögens des Sehapparates. 4. Mitteilung). [1961]
 [27]p. 25 refs.
 Order from S.A. m\$2.70, ph\$1.80 61-14419

Trans. of Pflügers Archiv für die Gesamte Physiologie
 des Menschen und der Tiere [Germany] 1913, v. 217,
 p. 169-182.

61-14419

1. Visual acuity: Measurement
2. Eye--Sensitivity
1. Tommer, F.
- II. Title: Analysis...
- III. Title: Analyse...

1913

Office of Technical Services

(Unannounced)

Torner, Friedrich.
 VISUAL ACTIVITY (Die Sehschärfe) - Communication 5
 on Analysis of the Resolving Power of the [Eye] (Analyse
 des Auflösungsvermögens des Sehapparates - 5. Mitthei-
 lung) [1971] [2] p. 52 refs.
 Order from M. A. nu\$2.70, p\$4.80 61-14420

Trans. of Pflügers Arch [iv für die Gesamte Physiologie
 des Menschen und der Tiere] (Germany) 1943, v. 247,
 p. 183-193.

(Unannounced)

61-14420

1. Visual acuity--
Measurement
2. Eye--Sensitivity
1. Torner, F.
- II. Title: Analysis...
- III. Title: Analysis...

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The Monophasic Action Potential from the Apex
and Base of the Heart of Warm Blooded Animals
and the T-Wave Theory in the ECG, by H.
Schaefer, A. Pena, P. Scholmerich. 9 pp.

GERMAN, per, Pflugers Archiv, Vol CXXLVI, No 5,
1943, pp 728-732.

NIH 7-25-60

Sci - Med

Sep 60

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Dilatation of the Cutaneous Blood Vessels
Caused by the Cold, by Kurt Kramer,
Werner Schulze, 40 pp.

GERMAN, per, Pflüger's Archiv für die
Gesamte Physiologie, Vol CCL, 1948,
pp 141-170.

Navy Tr ~~337~~ / NMS 324

Sci. - Biol & Med
Dec 63

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The Effect of Prolonged Exposure to 3% CO₂ on Brain Waves, by K. E. Schaefer, 13 pp.

GERMAN, per, Pfluegers Archiv Fur Die Gesamte Physiologie, Vol 251, 1949, pp 725-40.

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Sci/DEJ
Sep 68

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Variation of the Intracutaneous Temperature Under
the Influence of External Temperature Stimuli,
by Herbert Hensel, 17 pp.

GERMAN, per, Pflügers Archiv, Vol CCLII, 1930,
pp 146-164.

ACSI, H-4468

Sci - Med

Aug 59

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The Temperature Perception and Intra-Cutaneous
Variation of Warmth, by Herbert Hensel, 52 pp.

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pp 165-215.

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Sci - Phys

Sep 59

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Influence of Spleen and Liver on Myocardial Insufficiencies on a Coronary or Hypoxic Basis, by H. Rein, 35 pp.

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S.L.A. No 265/1956

Scientific - Medicine

12

A New Tonometer for Equilibrating Blood with
Different Gas Pressures Quickly, by D. Laue
GERMAN, per, Pflügers Archiv, Vol 254, No 2,
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Sci-B&M
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Nerve Irradiation on a Background of Experimental
EEG Research, by A. E. Kornmüller, I. von Hedenstrom,
16 pp.

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GERMAN, per, Pflügers Archiv, Vol CCLVI, No 2, 1952,
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NIH TR 721

Scientific - Medicine

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CTB/DEX

Experimental Proof on Location of Posterior
Pituitary Hormones in the Hypothalamus, by
W. Hild, G. Letler,

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ATIC F-TS-8603/III

Sci - Medicine
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The Alveolar-Arterial O_2 Tension Difference
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31,190

Neuroregenerative Effect of Pyrogens, by H. Banner,
V. Martini, 22 pp.

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pp 308-317.

NIE 321

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Scientific - Medicine

Determination of Shunted Blood and of the
Diffusion Capacity of the Lung in Health
and in Pulmonary Disease, by H. Bartels, et al.
27 pp.

GERMAN, per, Pflug. Archiv, Vol CCLXI, 1954,
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NIH Tr No 120

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Scientific - Medicine

Comparative Experiments on the Site of Action of
Muscle Relaxing Compounds, by H.-J. Steinko,
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GERMAN, per, Pflugers Archiv, No. ~~259~~, 1954, pp 152-
164. *NIH 9-47*

Scientific - Medicine
Nov 56 CTS

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Effects of the State of Adaptation on Reception
of Intermittent Light Stimuli, by E. Dodt, J.
Heck, 23 pp.

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~~No 259 (3)~~, 1954, pp 212-225.
Vol CCCLIX, No 3,

NIH 10-28

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Nov 56 CTS

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Congenital 24-Hour Periodicity in Chicks, by
Jurgen Aschoff, Johannes Mayer-Lohmann, 11 p.

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SLA 59-17469

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Sci
Jan 60
Vol 2, No 8

105,414

Investigations on the Problem of Urine
Concentration and Dilution. The Osmotic
Behavior of Kidney Cells and the Accompanying
Electrolyte Accumulation in Renal Tissue in
Different States of Diuresis, by K. J. Ullrich,
F. O. Drenckhahn, K. H. Jarausch, 27 pp.

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NIH Tr No 2-33

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Concerning Arterio-Venous Anastomoses and Blood
Shunting in the Lung, by B. Bostroem, J. Piiper,
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Coronal Blood Stimulation and Hypoxia, by A. Allella.

GERMAN, per, Pflügers Archiv fuer die Gesamte
Physiologie, Vol CCLXI, 1955, pp 373-384.

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Sci - Med
22 Sep 61
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Kinetics of the Amphibian Water Metabolism into
Toads, by E. Buchborn, 2 pp.

GERMAN, per, Pflugers Arch Ges Physiol, Vol CCLXII,
1956, pp 377-394.

SLA 57-3113

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Aug 58

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Continuous, Bloodless Recording of Blood Pressure
by Means of an Electro-Mechanical Transducer,
by J. Stegemann.

GERMAN, per, Pflueger's Archiv für die Gesamte
Physiologie des Menschen und der Tiere,
Vol CCLXII, 1956, pp 419-424.

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Detection of Mineralocorticoid Hormone in the Liver of Rabbits With Normal and Hypertrophic Adrenals, by I. G^x. Fazekas, 16 pp.

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SLA Tr 1458/56

Sci - Med
Mar 57 CTS

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Qualitative and Quantitative Ballistographic Investigations on a Circulation Model, by W. Eger, H. Klensch.
GERMAN, per, Pflugers Archiv, Vol CCLXII, 1956,
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Sci-Electr

Dec 64

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Polarisation Optical and Electron Microscopical
Studies on Heat Contraction in Collagen Fibers,
by E. Kihnke, M. Schonfelder, 18 pp.

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NIH 3-22

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Continuous Determination of the Blood Flow in the
Human Skin With an Electric Heat Conduction
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WIR 8-31-61

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Sci - Med

Dec 61

Changes in the Activity of Single Cortical
Neurons in Acute Oxygen Deficiency and Their
Relation to the EEG in Cats, by O. Creutzfeldt,
A. Kasanau, A. Vaz-Ferreira, 4 pp.

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NIH 12-28

Sci - Medicine
Jan 60

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A Contribution to the Question of Localization
of Bulboreticular Respiratory Neurons of Cat,
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Schafer, 15 pp.

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1957, Vol CCLXIV, No 3, pp 217-227.

SLA 59-10637

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Studies in Regard to the Problem of Osmotic Concentration of Liver Cells, by G. Riecker, W. Zack and H. E. Renschler, 1 p.

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SLA 57-3114

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Aug 58

Studies on the Biological Determination of Adiuretin
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The Anoxic Terminal Depolarization as an Indicator of the Vulnerability of the Cerebral Cortex in Anoxia and Ischemia, by J. Bures, O. Buresova, 17 pp.

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NIH 7-26

Sci - Med

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The Potential Stability in the Crista System of the Guinea Pig and Its Changes in Experimental Cupula Deviations, by Dietrich Trincker, 54 pp.

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ATIC F-TS-9280/V

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Jan 58

The Morphological Expression of the Antithyroid Effect
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Jan 58

Blood Circulation in the Skin and Temperature
Regulation in Newborn Infants, by K. Bruck,

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C.S.I.R.O. 4415

Sci - Biology

May 60

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NIH 10-42-60

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Reactions of Retinal Neurons to Light Flashes,
Single Flashes and Flash Stimuli of Varying
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O.J. Grusser, H. Kapp.

GERMAN, per, Pflugers Archives, Vol CCLXVI, 1958,
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ATIC MCL 103/V

Sci - Med
Jun 61

155,518

ON THE EFFECT OF HYDROGEN ION CONCENTRATION AND THE
CO₂ PRESSURE IN THE CEREBROSPINAL FLUID ON THE
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NIH 5-37-62

SCI - MED

AUG 62

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RESPONSE OF THE RESPIRATION AND ARTERIAL PRESSURE
TO INTRODUCTION OF VERATRIDINE, LOBELINE, AND CYANIDE
INTO THE CEREBROSPINAL FLUID, BY H. H. LOESCHKE,
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NIH 6-24-62

SCI - MED
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INFLUENCING OF RESPIRATION AND THE VASOMOTOR
SYSTEM BY INTRODUCTION OF NOVOCAIN INTO THE FLUID
SPACES, BY H. H. LOESCHKE, H. P. KOEPHCHEN,
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SCI - MED
AUG 62

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EXPERIMENT FOR LOCALIZATION OF THE SITE OF ACTION
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SCI - MED

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AUG 62

Active Sodium Transport and Oxygen Consumption
in the Outer Medullary Zone of the Kidney, by
K. J. Ulrich, 19 pp.

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MM 1-18

Sci - Med

Feb 59

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The Behavior of Urea in the Collecting Tubes
of the Mammalian Kidney, by J. D. Klumper,
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NIH 1-15

Sci - Med

Feb 59

80,841

Secretion of Ammonium Ions in The Collecting
Tubes of the Mammalian Kidney, by K. J. Ulrich,
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NIH 1-17

Sci - Med

Feb 59

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NIN 1-16

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GERMAN, per, ~~Physiologia~~ Archiv, Vol CCLXVII,
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C.B.I.R.O. 4416

Sci - Med

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A Simple Microcuvette for the Zeiss Monochromator
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MMH 8-13-61

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Sci - Med

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Autoregulation of Renal Circulation. Elimination
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Pressure-Passive Behavior of the Glomerular Filtrate,
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GERMAN, per, Pflugers Archiv, Vol CCLXIX, No 1, 1959,
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NIH 11-36

Sci - Medicine
Dec 59

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The Differentiation of Reflexes of the Left Heart
Regulating Circulation, by U. Douthell, K. Kramer,
24 pp.

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NIH 4-17-60

Sci - Medicine
Jun 60

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The Relations Between Dendrite Potential and
Direct Voltage on the Cerebral Cortex, by Heinz
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NIH Tr 9-28-60

Sci - Med

Nov 60

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Reaction of the Smooth Musculature of the Renal
Vessels to Distention and its Significance
for the Autoregulation of Renal Circulation,
by K. Thurau, K. Kramer, 24 pp.

GERMAN, per, Pflugers Archiv, Vol CCLXVIII,
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NIH 11-37

Sci - Medicine
Dec 59

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Venous Oxygen Pressure, Regulation of Coronary
Circulation and of the Carbohydrate Metabolism in the
Heart With Muscular Exercise, by W. Loehner,
M. Basseri, 20 pp.

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Navy Tr 3403/MAS 787

Sci - Biol & Med
MJM 63

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Hemodynamics of the Kidney Medulla. 1st Report. Time of Capillary Passage, Blood Volume, Blood Flow, Tissue Hematocrit and O₂ Consumption of the Kidney Medulla in Situ, by E. Kramer, E. Thureau, P. Leetjen, 37 pp.

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NIH 1-2-61

Sci - Med
Mar 61

141,629

Hemodynamics of the Kidney Medulla. 2nd Report.
Correlation Between the Vascular and Tubular Counter
Current System Upon Increased Arterial Pressure,
Water Diuresis and Osmotic Diuresis, by K. Thureau,
P. Deetjen, Kurt Krumer, 30 pp.

GERKAN, per, Pflugers Archiv, Vol CCLXX, 1960,
pp 270-285.

NIK 1-1-61

Sci - Med
Mar 61

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Relationship Between O₂-Consumption of the Kidney and
Bloodflow and Glomerulus Filtration Upon Changes
in Arterial Pressure, by K. Kramer, P. Deetjen, 28 pp.

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WITH 2-22-61

Sci - Med
Apr 61

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Measurement of Active Sodium Transport in the
Proximal Tubules of Necturus Maculosus by Means of
a Modification of Ussing's Short-Circuit Method, by
F. W. Eigler, 2 pp.

GERMAN, per, Pflügers Archiv, Vol CCLXXII, No 1,
1960, p 41.

NIH 5-22-61

Sci - Med
Jul 61

The Effect of Calcium ions on the Membrane
Potential of Myelinated Nerve Fibers, by
Schmidt, 14 pp.

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NIH 2-1-62

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ic1 - Mod

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Attempts to Determine the True K-Efflux in
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E. Mischoll, 4 pp.

GERMAN, per, Pflugers Archiv, Vol CCLXXI,
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NIH 3-56-62

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Sci - Med

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The Effect of Calcium Ions on the Membrane
Potential of Bundles of Myelinated Nerve
Fibers of the Frog, by H. Schmidt, 2 pp.

GERMAN, per, Pflügers Archiv, Vol CCLXXII,
ME 1960, pp 1, 68.

MIN 2-16-62

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Sci - Med

A Measuring Device for the Determination of Electrical
Values in Biological Membranes With Active Ion
Transport, by W. Karger, F. W. Rigler, A. Hempe,
6 pp.

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pp 187-190.

NIH 5-23-61

Sci - Med
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159, 558

WATER AND ELECTROLYTE FLOW IN THE VASCULAR COUNTER-
CURRENT SYSTEM OF THE RENAL MEDULLA, WITH A THEORETICAL
CONTRIBUTION BY R. SCHLOGL: "SALT TRANSPORT THROUGH
UNCHARGED POROUS MEMBRANES." 10 PP. , BY K. J. ULLRICH,
G. PEHLING.

GERMAN, PER, PFULGERS ARCHIV, VOL CCLXXIII, 1961,
PP 562-572.

NIH 5-13-62

SCI - MED
AUG62

207,828

THE HEMOGLOBIN CONCENTRATION, NUMBER OF ERYTHROCYTES
AND HEMATOCRIT IN THE BLOOD OF THE VASA RECTA, BY
KARL J ULLRICH, GUNDULA PEHLING, 4 PP.

GERMAN, PER, PFLUGERS ARCHIV, VOL CCLXXIII, 1961,
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NIH 5-15-62

SCI - BIOL
AUG 62

307,830

The Effect of Pharmacological Materials on Various
Behavioral Functions of the Rat, by K. Battig.
GERMAN, per, Pflugers Archiv, Vol CCLXXIV, No 1,
1961, pp 59.
NASA TT F-9197

Sci-B/M
Feb 65
U.S. GOVERNMENT ONLY_

274,593

THE BEHAVIOR OF HUMAN HAND VEINS IN ACUTE ARTERIAL
HYPOXIA, BY A. HINTZE, H. L. THRON, 26 PP.

GERMAN, PER, PFLUGERS ARCHIV, VOL CCLXXIV, 1961,
PP 227-251.

NIH 7-4-62

SCI - MEDICINE

OCT 62

213,050

CENTRAL VENOUS PRESSURE IN MAN DURING ACUTE
ARTERIAL HYPOXIA, BY H. L. THRON, A. HINTZE, 7 PP.

GERMAN, PER, PFLUGERS ARCHIV, VOL CCLXXIV, 1961,
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NIH 7-2-62

SCI - MEDICINE

OCT 62

213,048

GLUCOSE AND LACTIC ACID CONCENTRATION AT THE TIP OF
THE VASCULAR COUNTER-CURRENT SYSTEM IN THE RENAL
MEDULLA, BY A. RUIZ-GUINAZU, G. PAHLING, 5 PP.

GERMAN, PER, PFLUGERS ARCHIV, VOL CCLXXIV, 1961,
PP 311-317.

NIH 5-14-62

SCI - BIOL

207,829

AUG 62

Bio. Lab. T-491-2

R-7815-D

16 Dec 66

O₂-Verbrauch des isolierten, durchbluteten Lungenlappens
vom Hund

By: Ryosaku Kusachi and Johannes Epper

From: Pflugers Arch. 276:303-11, 1962

(9 pp)

German - est for wds:

Translate and type 1 camera ready copy. Document can
be cut. Typing instructions attached. Make cover
as sample T-491-2.

A New Method of Temperature Regulation and of
Temperature Variation of Biological Test Baths, by
R. Kaufmann.

GERMAN, per, Pflueger's Archiv fuer die Gesamte
Physiologie des Menschen und der Tiere, Vol 275, No 5,
1962, pp 551-554.

HTC-71-11404-06L

Nov 71

Localization of the Autoregulating Changes in Resistance in the Kidney. Micropuncture Measurements of Pressures in the Tubuli and the PERITUBULAR Capillaries $\pm$ of the Rat Kidney Upon Changes in Arterial Pressure, by Klaus THURAU, MD Rike Wober, 9 pp.

GERMAN, per, Pflügers Archiv, Vol ~~XXX~~ CCLXIV, 1962, pp 753-766.

NIH 1-17-63

Sci - Biol-Med Sci

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May 63

DIURESIS UPON INCREASE IN ARTERIAL PRESSURE.
SIGNIFICANCE OF THE HEMODYNAMICS OF THE RENAL
MEDULLA FOR THE CONCENTRATION OF URINE, BY
K. THURAU, P. DEETJEN, 9 PP.

GERMAN, PER, FLUGERS ARCHIV, VOL CCLXXIV, 1962,
PP 567-580.

NIH 8-18-62

SCI - MED
OCT 62

213,727

The Haptic Motor Function of the Brain Cortex During
Phases of Desynchronized EEG Activity in the Natural
Sleep of Cats, by E. Kanno, D. Krause, et al.

GERMAN, per, ~~Polingowa~~ Archiv, Vol CCLXXIV, 1962,
pp 593-607.

III 5-6-63

Sci - Biol/Med Sci

Aug 63

341,405

Further Development of the Needle Thermostromuhr
for the Measurement of Human Muscular Blood
Flow, by Klaus Golenhofen, 7 pp.

GERMAN, per, Z Pfligers Archiv, Vol CCCLXXIV,
No 6, 1962, pp 615-623.

NIH 12-15-62

Sci - Med
Feb 63

222,487

INFLUENCING THE TUBULAR SODIUM, POTASSIUM AND ~~XXXX~~
CALCIUM TRANSPORT OF THE ISOLATED, ARTIFICIALLY
PERFUSED FROG KIDNEY WITH CARDIAC ACTIVE STEROIDS
OF VARIOUS KPOLARITIES, BY G. VOGEL, S. BUCHHEIM,
7 PP.

GERMAN, PER, PFLUGERS ARCHIV, VOL CCLXXV, 1962,
PP 12-22.

NIH 8-32-62

SCI - BIOL

213,741

Action of the Rete Mirabile as Hairpin ~~XXXX~~
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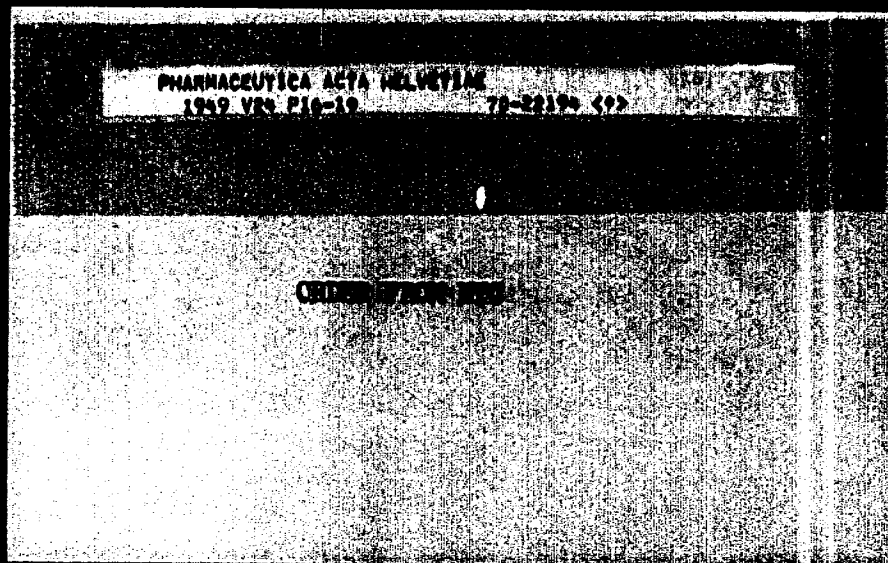
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